

**REMARKS**

Entry of the Preliminary Amendment prior to the examination of the above-identified application on the merits is respectfully requested.

Claim 1 has been amended, and new claims 2-10 have been added. No new matter has been added by the Preliminary Amendment as antecedent support is set forth in the specification and the original claims.

If there are any charges with respect to this Amendment, please charge them to Deposit Account No. 06-1130 maintained by Applicant's attorneys.

Respectfully submitted,  
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**VERSION WITH MARKINGS TO SHOW CHANGES MADE**SPECIFICAION AMENDMENTS

Please amend the title on page 1, as follows:

BATTERY CONNECTOR FOR [A] MOBILE PHONE

Please amend the paragraph on page 1, lines 9-14 as follows:

[A] Referring to FIG. 4, a conventional battery connector **40** for a mobile phone is assembled such that a fixing part **42** is inserted into an interface connector body **41** installed inside a main body of a mobile phone.[, and an] An elastic contact part **43** integrally extending from one end of the fixing part **42** [to be] is bent at an acute angle with respect to the fixing part **42**.[, the] The center of the elastic contact part **43** [being] is convexly bent upward, and passes through the interface connector body **41** to project outside the main body of a mobile phone, as shown in FIG. 4.

Please amend the paragraph on page 3, line 8 as follows:

FIG.3 is a cross-sectional view taken along the line A-A shown in FIG.[1] 2; and

Please amend the paragraph on page 3, lines 19-22 as follows:

As shown in FIG. 2, the battery connector **30** according to the present invention includes a body **31** having a plurality of plunger housings **32**. The housings **32** and the body **31** are integrally formed preferably using [a] plastic material so that the upper portions of the plunger housings **32** project upward from the top plane of the body **31**.

Please amend the paragraph on page 4, lines 5-14 as follows:

The plunger **34** includes a guide portion **34a** in slidably contact with the inner side wall of the bore **32a** of each of the plunger housing **32**, a contact portion **34b** coaxially extending upward from the guide portion **34a** and penetrating through the opening **32b** of the plunger housing **32** to project to the plunger housing **32**, and a spring fixing portion **34d** coaxially extending downward from the lower end of the guide portion **34a**, and into which a spring **37** is fitting inserted. The contact portion [**34d**] **34b** has a hemispherical

upper end in order to maintain a point contact with the battery terminal. A spring sheet surface 34c with which one end of the spring 37 is in contact at a boundary between the guide portion 34a and the spring fixing portion 34d, is inclined so that the force of the spring 37 acts on the plunger 34 bias.

Please amend the paragraph on page 4, lines 15-22 as follows:

A base cover member 35 is fitted in the lower end of the bore 32a of each of [the] a plurality of the plunger housings 32 so that the plunger 34 is supported by the spring 37. The base cover member 35 has a cylindrical connection part 35b extended upwardly on the top surface of a base plate 35a to be fitted in the lower end of the bore 32a. On the outer surface of the cylindrical connection part 35b is formed an annular hook 35c engaged with a coupling groove 32c formed on the side wall of the plunger housing 32. The base cover member 35 and the spring 37 are [necessarily] made of [a] conductive material such as a copper alloy.

Please amend the paragraph on page 5, lines 1-6 as follows:

The battery connector [31] 30 according to the present invention is assembled such that the plunger 34 is inserted into the bore 32a of the plunger housing 32 [with] in which one end of the spring 37 is fitted on the lower spring fixing portion 34d, and the lower end of the bore 32a is covered by the base cover member 35. The plunger 34 is pushed by the spring 37 so that the top surface of the guide portion 34a is in contact with the shoulder 32d of the plunger housing 32, that is, the contact portion 34b of the plunger 34 protrudes from the plunger housing 32.

#### CLAIM AMENDMENTS

Please amend claim 1 as follows:

1. (Amended) A battery connector for a mobile phone, installed in a main body of the mobile phone and contacting a battery terminal to supply power to a printed circuit board (PCB) of the mobile phone, the battery connector comprising:
  - a body having a plurality of plunger housings;

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a plunger slidably installed in each of the plurality of plunger housings of the body;

a base cover member having a cylindrical connection part fitted in [the] a lower end of each of the plurality of plunger housings [to close each of the plurality of the plunger housings], [the] a bottom surface of the base cover member adhered to the PCB by soldering and made of [a] conductive material; and

a spring biasing the plunger in the plunger housing against the bottom of the base cover member.

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